

CCTTTCATAGAGAACAAAGAACTAAAGAAATCTGTGACAAATGGACAATATAATTTGGCCCAGTGTTCTCCTCCT  
 CATGGTAATCTCATGCCTCTACAATCTACATCCAGTACACTCTCAGGTCAACATCAGAGTAAGGATATGGAGCCTA  
 GGATCCCTTCTTAAACAACCTGGAGACGTAATAACCCCTCTTTATTAATGCATAGAATTAAGATTTCCATAGGGATAT  
 TTAACAGAAAACCACATTTACTCTATTACCCCTAGAATAGGTACTTTTAAATAGAAGGTGATGTGGGATCTGAGGT  
 AGGCGGGACAAGAATGGAGACACATCTGAAAAATAGTTATTGTTGAAAAATTTTAGGTACTGACAAGATGGAAGTC  
 AACATTTCAATGCCTCTGAATGGATCAGAAGTTGTGTTTTATGATTCTACCACCTCAAGTGTCTATGGATCCTCT  
 CATTAGTGGTTCTCTTTATAACCTTTGTCTCGGTGTTCTAGGTAATGGGCTTGTGATTTGGGTGGCTGGGTTCCA  
 GATGGCACACACTGTGACCACTGTCTCTTATCTGAACTTGGCTTTGAGTGATTTATCTTTCATGGTTACTCTACCA  
 CTTACATCATCTCAATGGTCATGAGAGGAAAATGGCTTTTTGGTTGGTTTCTTTGCAAATTAGTTCACATAATTG  
 CAAACATAAACCTTTTTGTAAGTATCTTCCTAATCACTCTTATTGCCATGGATCGCTGTATTTGTGTCTCTGTGCCC  
 AGTATGGTCTCAGAATCACCGAACTGTGAGTCTGGCCAGAAAAGTGGTTCTTGGAGCTTGGATATTTGCTCTGCTG  
 CTTACCTTGCCACATTTTCTCTTCTTGACTACAGTGAGAGATGCAAGAGGGGATGTGTACTGTATATCTAAATTTG  
 AATCCTGGGTTGCAACCTCTGAAGAGCAGTTAAAGATGTCTGTTATTGCTGCCACAGCTTCAGGAATCATCAATTT  
 CATTATTGGATTCAGCATGCCCATGTCTTTTATTGCTATCTGCTATGGACTCATGGCTGCCAAGATCTGCAGAAGA  
 GGCTTTGTGAATTCCAGTCGTCCTTTACGTGTCTCACTGCTGTAGCGATTTCTTCTTTGTCTGTTGGTTCCCTT  
 TTCAATTAATTATGCTTTTAGGCAACATCTTTAACAATGAGACACTGAGCATTATTCATATGTTGGTTAACCCAGC  
 AAATACCTTGCTTCTCTTTAACAGCTGCCTCAACCAATACTCTATGTATTCTGGGTGAGGAATTCAGAGACAGA  
 CTAATCTATTCTCTGTATGCCAGTCTAGAGAGGGCCCTGAGGGAAGACTAGTCCTTGATGGAAAATTCAGTCCTGA  
 GCACTGACACAGACAGCAACTTGTCTTCATGAACTGCAGACTCTGAGCTATAGGAAATGGCAGGAGTAAGGCCAAT  
 GGGATTTTTTTTTCCCTACCCTAGTCTTAATTTCTGTCTTATCCTATCTTGCATGAAATTTCTGAGTATAACTATA  
 GAATCTCTCTGATTCTGATTGGAAGACAGAAGT (SEQ ID NO:1)

MEVNISMPLNGSEVVFYDSTTSSVLWILSLVVLFITFVLGVLGNGLVIWVAGFQMAHTVTTVSYLNLALSDLSFMV  
 TLPLHIISMVMRGKWLFGWFLCKLVHIIANINLFVSIFLITLIAMDRICVLCPVWSQNHRTVSLARKVVLGAWIF  
 ALLLTLPFLFLTTVRDARGDVYCISKFESWVATSEEQLKMSVIAATASGIINFIIGFSMPMSFIAICYGLMAAKI  
 CRRGFVNSSRPLRVLTAVAI SFFVCWFPFQLIMLLGNIFNNETLSIIHMLVNPANTLASFNSCLNPILYVFLGQEF  
 RDRLIYSLYASLERALRED (SEQ ID NO:2)

FIGURE 1

underlined = deleted in targeting construct

**bold** = sequence flanking Neo insert in targeting construct

CCTTTCCATAGAGAACAAAGAACTAAAGAAATTCTGTGACAAATGGACAATATAAATTGGC  
 CCAGTGTTCTCCTCCTCATGGTAATCTCATGCCTCTACAATCTACATCCAGTACACTCTC  
 AGGTCAACATCAGAGTAAGGATATGGAGCCTAGGATCCCTTCTTAAACAACCTGGAGACGT  
 AATAACCCCTCTTTATTAATGCATAGAATTAAGATTTCCATAGGGATATTTAACAGAAAAC  
 CACATTTACTCTATTACCCCTAGAATAGGTACTTTTAAATAGAAGGTGATGTGGGATCTG  
 AGGTAGGCGGGACAAGAATGGAGACACATCTGAAAAATAGTTATTGTTGAAAAATTTTAG  
 GTACTGACAAGATGGAAGTCAACATTTCAATGCCTCTGAATGGATCAGAAGTTGTGTTTT  
ATGATTCTACCACCTCAAGTGTTCTATGGATCCTCTCATTAGTGGTTCTCTTTATAACCT  
TTGTCTCGGTGTTCTAGGTAATGGGCTTGTGATTTGGGTGGCTGGGTTCCAGATGGCAC  
ACACTGTGACCCTGTCTCTTATCTGAACTTGGCTTTGAGTGATTTATCTTTTCATGGTTA  
 CTCTACCACCTTCACATCATCTCAATGGTCATGAGAGGAAAATGGCTTTTTGGTTGGTTTC  
 TTTGCAAATTAGTTCACATAATTGCAAACATAAACCTTTTTGTAAGTATCTTCCTAATCA  
 CTCCTTATTGCCATGGATCGCTGTATTTGTGTCCTGTGCCAGTATGGTCTCAGAATCACC  
 GAACTGTGAGTCTGGCCAGAAAAGTGGTTCTTGGAGCTTGGATATTTGCTCTGCTGCTTA  
 CCTTGCCACATTTTCTCTTCTTGAAGTACAGTGAGAGATGCAAGAGGGGATGTGTACTGTA  
 TATCTAAATTTGAATCCTGGGTTGCAACCTCTGAAGAGCAGTTAAAGATGTCTGTTATTG  
 CTGCCACAGCTTCAGGAATCATCAATTTCAATTATTGGATTTCAGCATGCCCATGTCTTTCA  
 TTGCTATCTGCTATGGACTCATGGCTGCCAAGATCTGCAGAAGAGGCTTTGTGAATTTCA  
 GTCGTCTTTTACGTGTCCTCACTGCTGTAGCGATTTCTCTTTGTCTGTTGGTTCCCTT  
 TTCAATTAATTATGCTTTTAGGCAACATCTTTAACAATGAGACACTGAGCATTATTCATA  
 TGTGTGTTAACCCAGCAAATACCTTGGCTTCCTTTAACAGCTGCCTCAACCCAATACTCT  
 ATGTATTCTTGGGTCAGGAATTCAGAGACAGACTAATCTATTCTCTGTATGCCAGTCTAG  
 AGAGGGCCCTGAGGGAAGACTAGTCCCTTGATGGAAAATTCAGTCCTGAGCACTGACACAG  
 ACAGCAACTTGTCTTCATGAACTGCAGACTCTGAGCTATAGGAAATGGCAGGAGTAAGGC  
 CAATGGGATTTTTTTTTTCCCTACCCTAGTCTTAATTTCTGTCTTATCCTATCTTGCATGA  
 AATTTCTGAGTATAACTATAGAATCTCTCTGATTCTGATTTGGAAGACAGAAGT

**FIGURE 2A**

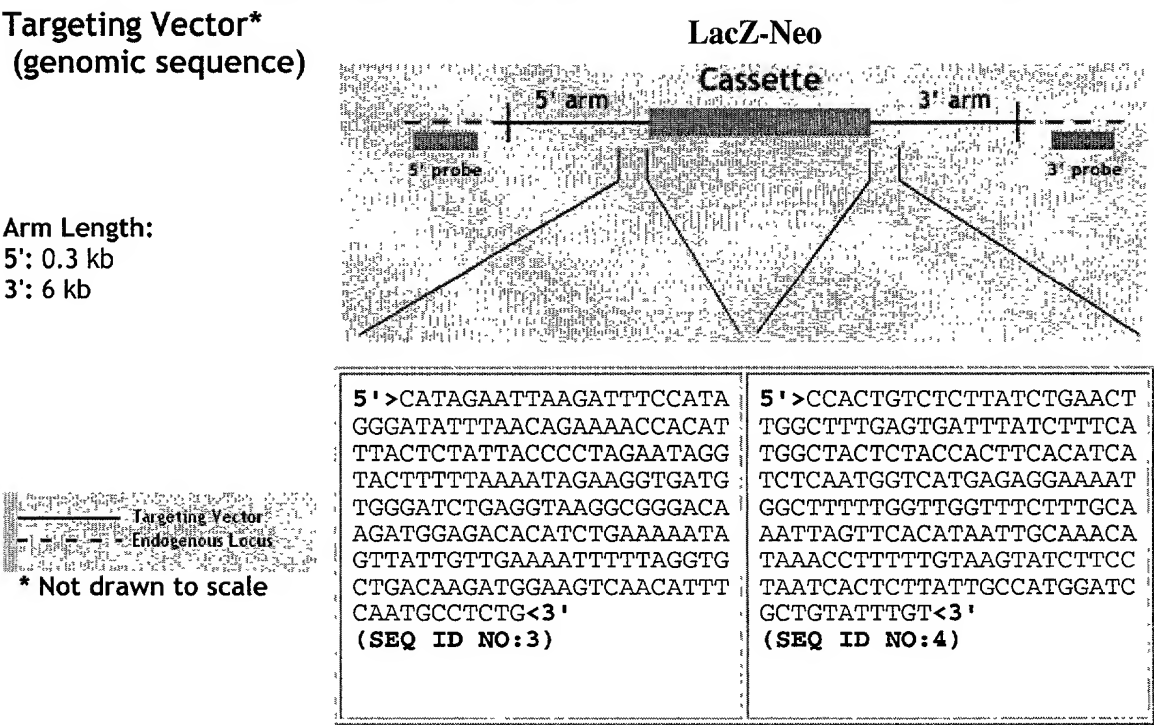
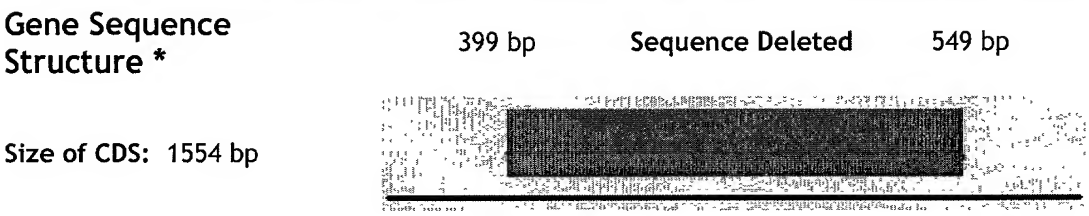


FIGURE 2B

# Open Field Summary Data - Percent in Central

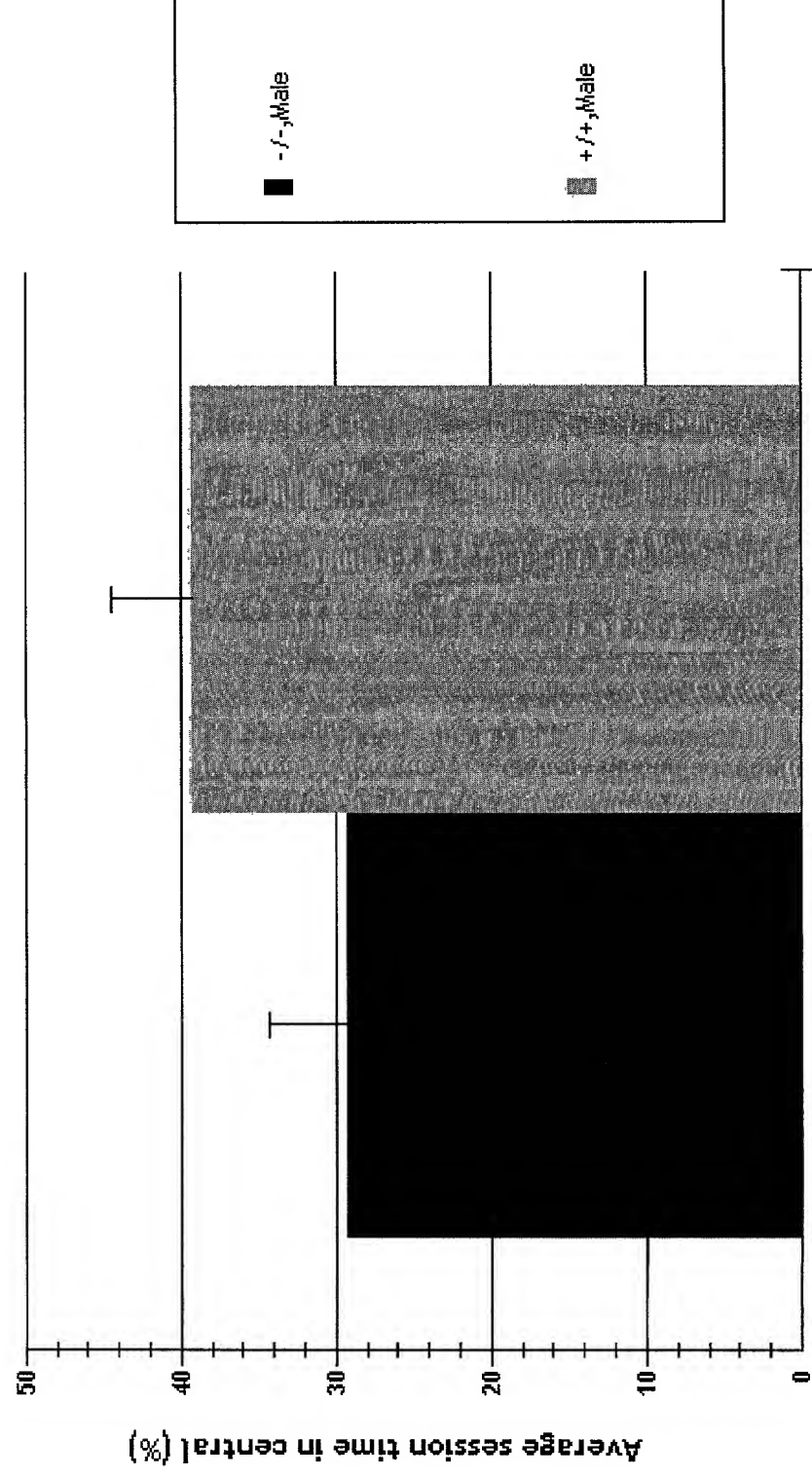


FIGURE 3

# Rotarod

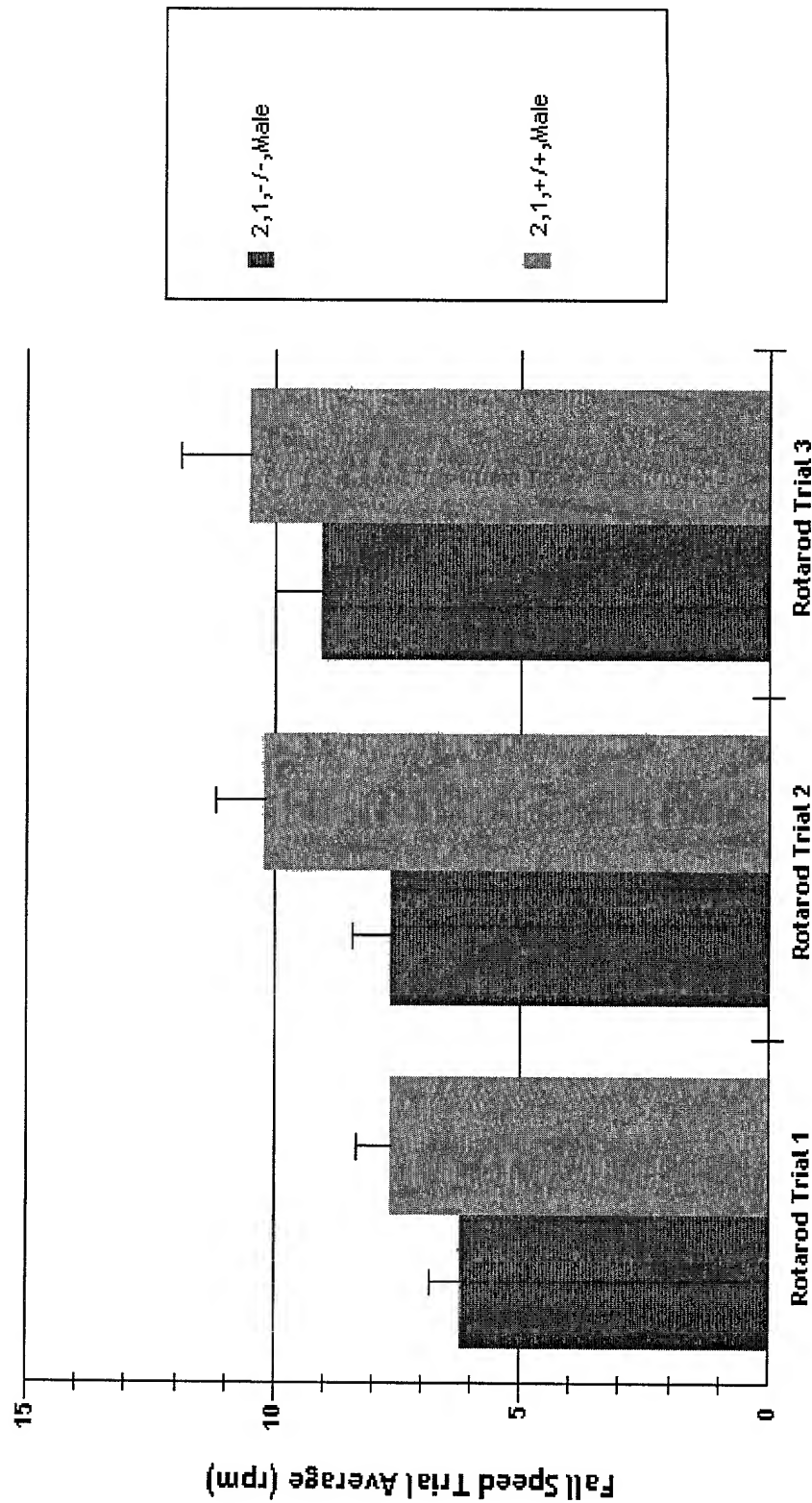
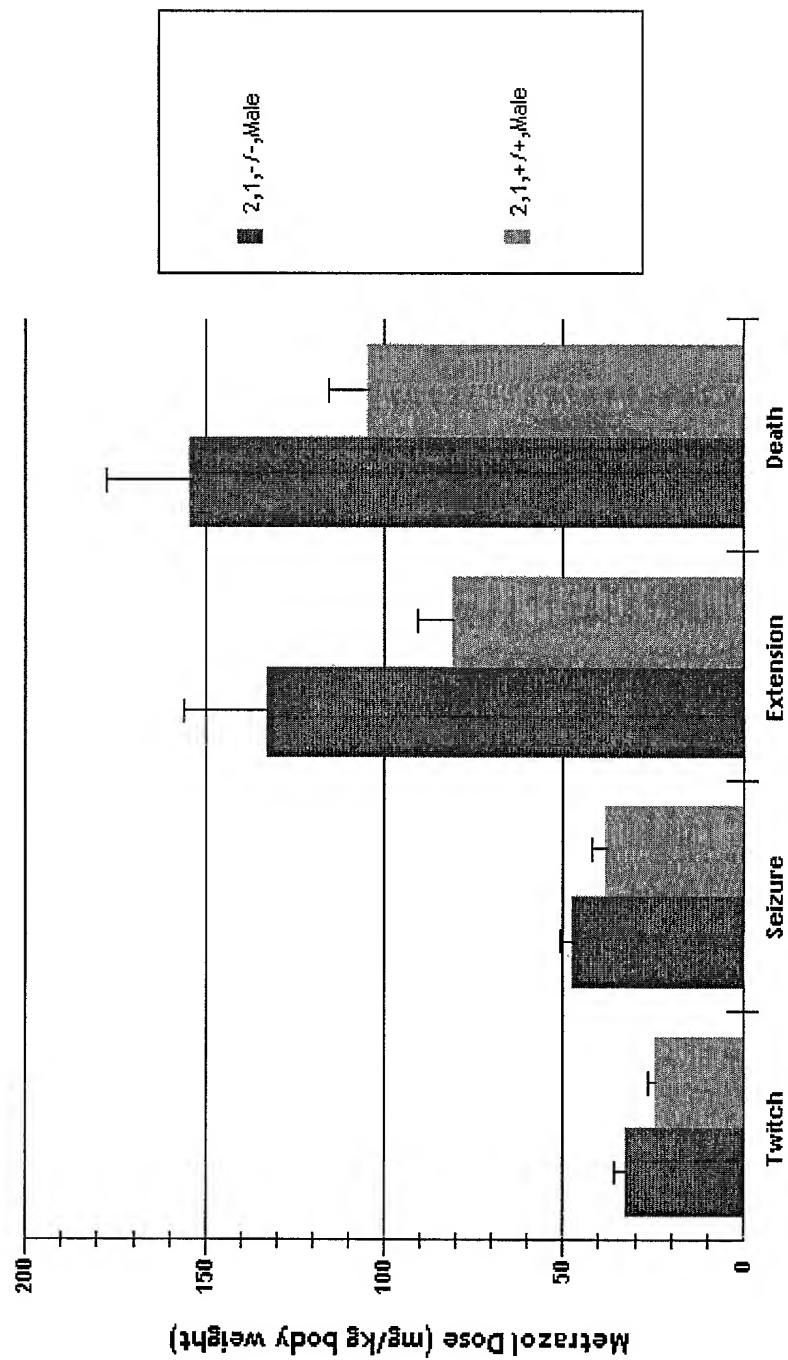


FIGURE 4

## Metrazol



**FIGURE 5**